

## Computer Programmer for Remote Sensing Applications

The Carnegie Institution for Science is a private organization that conducts basic research for the benefit of humanity. Carnegie's Department of Global Ecology conducts research on the interactions among the earth's ecosystems, land, atmosphere and oceans, with the goal of understanding the ways these interactions shape the behavior of the earth system, including its responses to future changes.

Carnegie is looking for a computer programmer to join the **CLASlite** and **Carnegie Airborne Observatory (CAO)** team of the Department of Global Ecology as a full time staff member.

**CLASlite:** The CLASlite project (<http://claslite.ciw.edu>) brings cutting edge science to organizations in tropical nations through a highly automated software system that maps and monitors forests using satellite imagery.

**CAO:** The CAO program (<http://cao.ciw.edu>) combines 3D spectroscopic and laser imaging with unique scientific approaches to study, explore, and conserve ecosystems at large geographic scales.

### Responsibilities

- Advance the software development of the CLASlite satellite monitoring program, incorporating leading edge forest monitoring science into an existing computer code for operational applications.
- Enhance the CAO data processing stream by developing and improving computer code for airborne image processing and information extraction.
- Provide computer programming support for new and ongoing research projects utilizing large quantities of spaceborne and airborne data.

### Qualifications

- Bachelor's or Master's degree in computer science, engineering, remote sensing or a related technical discipline
- Demonstrated proficiency in computer programming (C and Python required; Java, IDL and Pearl preferred)
- Experience in programming for geospatial applications
- Strong communication and collaboration skills

The position will be based at Carnegie's Department of Global Ecology on the campus of Stanford University. Salary will be determined based on experience, and the position includes a competitive benefits package.

To apply, please send a cover letter, resume, and contact information for two references to Dr. Greg Asner ([gpa@stanford.edu](mailto:gpa@stanford.edu)) no later than May 31, 2012; however, the position may be filled prior to this date if an appropriate candidate is identified. Feel free to attach sample code and notes that you think best demonstrate your skills.

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